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02.06.1999 JP 15522099 06.07.1999 JP 19148599 (71) Applicant:
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#### (54) Method for repairing the coated surface of a vehicle

(57) Method for repairing a coated surface of a vehicule, using an ultraviolet curing resin having excellent quick-drying property, and giving a good finish in a short working time and composition therefore.

The method comprises the following steps:

- a) filling a putty raw material comprising an ultraviolet polymerizing resin and UV curing the putty material
- b) uniformly spray coating on at least the putty coated surface a primer raw material comprising an ultraviolet polymerizing resin and UV curing the primer
- c) applying a top coat on the primer coated surface.

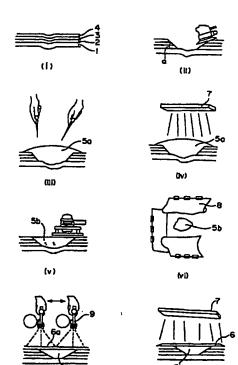


FIG. 1



# **EUROPEAN SEARCH REPORT**

Application Number EP 99 11 6834

		ERED TO BE RELEVANT		<del> </del>	
Category	Citation of document with of relevant pas	indication, where appropriate, sages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CL7)	
X	US 5 789 459 A (YOS 4 August 1998 (1998 * column 2, line 44 * column 4, line 35 * column 6, line 40	3-08-04) 1 - column 3, line 18 * 9-54 *	9,10	B05D5/00 C09D4/00 B05D3/06	
Y	EP 0 799 649 A (DAI 8 October 1997 (199 * column 3, line 28		1,3-5		
Y	2 October 1990 (199 * column 8, line 3-		1,3-5		
A			1		
A .	27 September 1989 (	DA MACHINERY SALES) 1989-09-27) -53; claim 1; figure 1	1	TECHNICAL FIELDS SEARCHED (INLCLT) B05D C09D	
	The present search report has t	peen drawn up for all claims  Date of completion of the search		Exertiner	
	THE HAGUE	16 January 2001	Slen	nbrouck, I	
CATEGORY OF CITED DOCUMENTS  X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document		T: theory or principle E: earlier patent doc after the filing dak D: document cited to L: document cited to 8: member of the sa	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons  8: member of the same patent family, corresponding document		

### ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 99 11 6834

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16-01-2001

d	Patent documer ited in search rep		Publication date	ļ	Patent family member(s)	Publication date
US	5789459	A	04-08-1998	BR	9603961 A	07-10-199
				CA	2186871 A.C	08-08-199
				DE	69610669 D	23-11-200
				EP	0754736 A	22-01-199
				WO	9623842 A	08-08-199
				US	5693390 A	02-12-199
EP	0799649	A	08-10-1997	DE	19613915 C	21-08-1997
				ES	2147406 T	01-09-2000
				JP	10057888 A	03-03-1998
US	4960611	Α	02-10-1990	JP	1835483 C	11-04-1994
				JP	2056278 A	26-02-1990
				JP	5045312 B	08-07-1993
				JP	1315375 A	20-12-1989
				JР	1984123 C	25-10-1995
				JP	6096140 B	30-11-1994
				CA	1312506 A	12-01-1993
				DE	3833225 A	13-04-1989
				GB	2210291 A,B	07-06-1989
				KR	9302047 B	22-03-1993
DE	19646956	C	20-05-1998	EP	0842710 A	20-05-1998
				JP	10156274 A	16-06-1998
				KR	249596 B	15-03-2000
				NO	975201 A	14-05-1998
				US	5997941 A	07-12-1999
EP	0333934	A	27-09-1989	DE	3878681 D	01-04-1993
				DE	3878681 T	09-06-1993
				ES	2039586 T	01-10-1993

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82